

#### ABSTRACT OF THE DISCLOSURE

A sacromastigophoric organism such as a trypanosome is harnessed for its ability to evade a host immune system, as well as its vast carrying capability to deliver a therapeutic agent to a host. The organism is engineered to include  
5 a recombinant lytic factor. After administration of the live organism to a host, an exogenous species is administered to induce organism lysis thereby releasing the organism contents into the host environment. The organism readily delivers genes and non-nucleic acid therapeutic agents to a host.